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News Release

OFS INTRODUCES GYROSIL® RAD-HARD PM FIBER

Brøndby, Denmark, 4. February, 2014 – OFS announces an expansion of its line of GyroSil® PM Sensing Fibers for gyroscopes. The new GyroSil Rad-Hard PM Optical Fiber is designed to perform in radiation environments. The new fiber has an 80 µm outside diameter cladding and is bend-insensitive, enabling long lengths to be wound on small diameter coils. GyroSil Rad-Hard PM Optical Fiber is manufactured without the germanium typically used to dope optical fiber cores. Germanium is highly sensitive to radiation and causes a rise in attenuation which may compromise performance of the gyroscope. GyroSil rad-hard PM optical fiber is a pure silica core fiber with radiation induced losses many times less than optical fibers doped with germanium. This highly birefringent fiber with a center wavelength of 1550 nm has excellent PM properties of low beat length and h-parameter. The outer coating diameter is only 145 µm.

“GyroSil Rad Hard PM opens up the opportunity for fiber optic gyroscopes to perform at a higher radiation level for a longer duration than conventional PM fibers”, says OFS VP Michael Fortin. “There are many gyroscope applications that will benefit from this fiber: space, high altitude, and defense related navigation systems to name a few,” concluded Fortin.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit www.ofsoptics.com.

CONTACT:

Sherry Salyer

OFS Public Relations

shsalyer@ofsoptics.com

Direct: 770-798-4210

Mobile: 678-296-7034

OFS PR Contact:

Kate Bendza

Senior MarCom Specialist

kbendza@ofsoptics.com

+1 860-678-6540

OFS Technical Contact:

Michael Fortin

VP Marketing & Sales

mfortin@ofsoptics.com

+1 860-678-6522